

IN THE SPECIFICATION

Page 2, please replace paragraph 6 with the following new paragraph:

– Calibration unit K is connected with a computer unit (personal computer, or PC) R via a data line D2, in which an interface CDI (Common device Interface) is provided. Data transfer on the PC-side occurs in accordance with the USB (universal serial bus) standard. On the sensor -side, data transfer on the data line D2, as well as on the line L1, occurs according to a proprietary protocol via an RS485 interface.--

Page 2, please replace paragraph 10 with the following new paragraph:

– C. Transferring the measurement data from the calibration unit K to the interface CDI, which serves as an EX-Barrier (Explosion barrier); and –.

Page 3, please replace paragraph 7 with the following new paragraph:

– Fig. 3 shows in greater detail a further possibility for data transfer between a sensor S, or multiplex data (MU-Data) and a computer unit R. In this case, the calibration unit K has an additional data interface (fieldbus, network, 4-20 mA). In addition, the calibration unit K has a port for portable storage medium SP. The computer unit PC also has the capability for the portable storage medium SP to connect via the interface CDI, which is already described with reference to Fig. 1.--